

10/761,632

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	273860	biocid\$2 or microbiocid\$2 or antibacterial or bactericid\$2 or antimicrob\$5 or bacteria or microbe\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 14:08
L2	232766	co2 or (carbon adj1 dioxide) or (carbonic adj1 acid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:30
L3	872507	permeab\$6 or porous or porosity or microporous or microporosity or perforat\$5 or microperforat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 11:56
L4	4676	((fresh or cut) adj1 produce)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 11:57
L5	241701	fruit or fruits or vegetable\$1 or pineappl\$1 or cantaloupe\$1 or cantalope\$1 or honeydew\$1 or strawberr\$4 or grapes or watermelon\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 11:59
L6	245553	I4 or I5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:00
L7	5151874	release or reduce or reducing or reduced or reduces or released or releases or dissipat\$5 or leak\$4 or vent\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:04
L8	6	I1 same I2 same I4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:21
L9	10	(I1 near8 I2) and I4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:12
L10	0	I9 not I6	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:12
L11	8	I9 not I8	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:12
L12	85	I1 and I2 and I4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:22
L13	71	I12 not (I8 or I9 or I11)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:23

EAST Search History

L14	23	("3049399" "4210255" "4412630" "4427110" "4515266" "4660355" "4676371" "4756422" "4941310" "4949847" "5278112" "5363978" "5390809" "5567405" "6099728" "6468332" "D355814" "D365251" "D389012" "D473761" "D478774").PN. OR ("6862980").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:43
L15	19	("2011465" "2589591" "2631104" "3851078" "3895119" "4818549" "4832969" "4911940" "4956190" "4996070" "5055313" "5059438" "5547693").PN. OR ("6054160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:51
L16	66	("0880414" "1821106" "1853719" "2164025" "2452174" "2467268" "2496731" "2684907" "2774230" "2786342" "2870954" "3111412" "3309206" "3399819" "3450542" "3453119" "3507667" "3521806" "3706410" "3761289" "3795749" "3804961" "3940062" "3958028" "4001443" "4061785" "4163070" "4204408" "4256770" "4411918" "4515266" "4734324" "4903493" "4910032" "4943440" "5088293" "Re21144").PN. OR ("5747082").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:01
L17	71	("2611709" "3102777" "3102780" "3239360" "3450542" "3450543" "3450544" "3507667" "3630759" "3795749" "3798333" "3804961" "3987208" "4001443" "4061785" "4079152" "4209538" "4224347" "4256770" "4337276" "4411918" "4411921" "4423080" "4515266" "4566282").PN. OR ("4943440").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:29
L18	28489	atmosphere near6 (controlled or modified or cap or map or ca or ma)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:30
L19	1861	l6 and l18	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:30

EAST Search History

L20	831	l19 and l2	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:31
L21	4766470	flush\$4 or initial\$2 or inject\$4 or generat\$4 or expos\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:32
L22	12145	l2 near6 high	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:33
L23	15811	l2 near10 high	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:33
L24	148	l20 and l21 and l23	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:34
L25	7678	((high or increased) near6 initial\$4) near12 (amount or concentration or l2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 14:10
L26	15	(l25 same l1 same (gas\$2 or vapor\$2)) same (l7 or equilibra\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 14:18
L27	6	(l25 same l1 same (gas\$2 or vapor\$2)) same decreas\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 14:18
S1	107391	co2 or (carbon adj1 dioxide) or (carbonic adj1 acid)	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:13
S2	210399	biocid\$2 or microbiocid\$2 or antibacterial or bactericid\$2 or antimicrob\$5 or bacteria or microbe\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:14
S3	3097	S1 and S2	EPO; JPO; DERWENT	OR	ON	2007/01/12 11:40
S4	2113153	fruit\$1 or vegetable\$1 or plant or produce or food\$6 or edible\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:39
S5	1050	S3 and S4	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:46
S6	562312	permeab\$6 or porous or porosity or microporous or microporosity or perforat\$5 or microperforat\$5	EPO; JPO; DERWENT	OR	ON	2007/01/20 11:55
S7	88	S5 and S6	EPO; JPO; DERWENT	OR	ON	2007/01/12 11:45
S8	88	S5 and S6	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:12
S9	962	S5 not S8	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:47

EAST Search History

S10	1146214	flush\$4 or inject\$4 or permat\$4 or introduc\$3	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:48
S11	5784	S1 near8 S10	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:48
S12	48	S9 and S11	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:48
S13	48	S12 not S8	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:48
S14	138617	fruit\$1 or vegetable\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:11
S15	138	S1 and S2 and S14	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:45
S16	18	((("2,858,225") or ("3,183,057") or ("4,411,921") or ("4,550,026") or ("4,689,169") or ("4,792,455") or ("4,895,729") or ("5,128,160") or ("5,505,950") or ("5,700,506") or ("5,914,144") or ("5,980,826") or ("5,958,490") or ("5,968,573") or ("6,045,844") or ("6,451,363"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/12 13:47
S17	0	S5 not (S8 or S12 or S13 or S15)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 13:47
S18	798	S5 not (S8 or S12 or S13 or S15)	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:50
S19	1073686	flush\$e4 or inject\$4 or permat\$4 or introduc\$3	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:48
S20	1202435	flush\$4 or inject\$4 or permeat\$4 or introduc\$3	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:15
S22	1772749	preserv\$6 or (shelf adj1 life) or store\$1 or storing or spoil\$4 or freshness	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:02
S23	104	S18 and S22	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:07
S24	1268029	packag\$4 or pouch\$2 or bag or bags or tray\$1 or container\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:46
S25	694	S18 not S23	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:08
S26	69	S25 and S24	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:12
S27	1202	(426/419,415,316).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/12 14:13
S28	232441	co2 or (carbon adj1 dioxide) or (carbonic adj1 acid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:14

EAST Search History

S29	273329	biocid\$2 or microbiocid\$2 or antibacterial or bactericid\$2 or antimicrob\$5 or bacteria or microbe\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:44
S30	2440146	flush\$4 or inject\$4 or permeat\$4 or introduc\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:15
S31	75	S27 and S28 and S29 and S30	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:36
S32	62	S27 and (S28 same S29)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:38
S33	9	S32 not S31	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:36
S34	144	S27 and (S28 same S30)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:38
S35	94	S34 not (S33 or S32 or S31)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:38
S36	3092457	fruit\$1 or vegetable\$1 or plant or produce or food\$6 or edible\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:39
S37	1500798	gas	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:44
S38	5355	S37 near6 S29	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:45
S39	125182	permeat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:45
S40	109	S38 same S39	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:46
S41	1578252	packag\$4 or pouch\$2 or bag or bags or tray\$1 or container\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:46
S42	41	S40 same S41	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:46
S43	3048	without near5 preservatives	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:50

EAST Search History

S44	16582	htst or pasteuriz\$7 or ((high adj1 temperature) near6 (short adj1 time))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:51
S45	1429312	ph or acid\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:52
S46	16	S43 same S44 same S45	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:56
S47	74	S43 and (S44 same S45)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:56
S48	58	S47 not S46	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:56
S49	37	("2264593" "2890120" "3300318" "3955010").PN. OR ("4145451").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:14

10/761,632

EAST Search History

L14	23	("3049399" "4210255" "4412630" "4427110" "4515266" "4660355" "4676371" "4756422" "4941310" "4949847" "5278112" "5363978" "5390809" "5567405" "6099728" "6468332" "D355814" "D365251" "D389012" "D473761" "D478774").PN. OR ("6862980").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:43
L15	19	("2011465" "2589591" "2631104" "3851078" "3895119" "4818549" "4832969" "4911940" "4956190" "4996070" "5055313" "5059438" "5547693").PN. OR ("6054160"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 12:51
L16	66	("0880414" "1821106" "1853719" "2164025" "2452174" "2467268" "2496731" "2684907" "2774230" "2786342" "2870954" "3111412" "3309206" "3399819" "3450542" "3453119" "3507667" "3521806" "3706410" "3761289" "3795749" "3804961" "3940062" "3958028" "4001443" "4061785" "4163070" "4204408" "4256770" "4411918" "4515266" "4734324" "4903493" "4910032" "4943440" "5088293" "Re21144").PN. OR ("5747082").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:01
L17	71	("2611709" "3102777" "3102780" "3239360" "3450542" "3450543" "3450544" "3507667" "3630759" "3795749" "3798333" "3804961" "3987208" "4001443" "4061785" "4079152" "4209538" "4224347" "4256770" "4337276" "4411918" "4411921" "4423080" "4515266" "4566282").PN. OR ("4943440"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:29
L18	28489	atmosphere near6 (controlled or modified or cap or map or ca or ma)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:30
L19	1861	l6 and l18	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:30

EAST Search History

L20	831	l19 and l2	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:31
L21	4766470	flush\$4 or initial\$2 or inject\$4 or generat\$4 or expos\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:32
L22	12145	l2 near6 high	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:33
L23	15811	l2 near10 high	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:33
L24	148	l20 and l21 and l23	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 13:34
L25	7678	((high or increased) near6 initial\$4) near12 (amount or concentration or l2)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 14:10
L26	15	(l25 same l1 same (gas\$2 or vapor\$2)) same (l7 or equilibra\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 14:18
L27	6	(l25 same l1 same (gas\$2 or vapor\$2)) same decreas\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 14:26
L28	241	(426/316).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/20 14:26
S1	107391	co2 or (carbon adj1 dioxide) or (carbonic adj1 acid)	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:13
S2	210399	biocid\$2 or microbiocid\$2 or antibacterial or bactericid\$2 or antimicrob\$5 or bacteria or microbe\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:14
S3	3097	S1 and S2	EPO; JPO; DERWENT	OR	ON	2007/01/12 11:40
S4	2113153	fruit\$1 or vegetable\$1 or plant or produce or food\$6 or edible\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:39
S5	1050	S3 and S4	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:46
S6	562312	permeab\$6 or porous or porosity or microporous or microporosity or perforat\$5 or microperforat\$5	EPO; JPO; DERWENT	OR	ON	2007/01/20 11:55
S7	88	S5 and S6	EPO; JPO; DERWENT	OR	ON	2007/01/12 11:45
S8	88	S5 and S6	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:12

EAST Search History

S9	962	S5 not S8	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:47
S10	1146214	flush\$4 or inject\$4 or permat\$4 or introduc\$3	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:48
S11	5784	S1 near8 S10	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:48
S12	48	S9 and S11	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:48
S13	48	S12 not S8	EPO; JPO; DERWENT	OR	ON	2007/01/12 12:48
S14	138617	fruit\$1 or vegetable\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:11
S15	138	S1 and S2 and S14	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:45
S16	18	((("2,858,225") or ("3,183,057") or ("4,411,921") or ("4,550,026") or ("4,689,169") or ("4,792,455") or ("4,895,729") or ("5,128,160") or ("5,505,950") or ("5,700,506") or ("5,914,144") or ("5,980,826") or ("5,958,490") or ("5,968,573") or ("6,045,844") or ("6,451,363"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/12 13:47
S17	0	S5 not (S8 or S12 or S13 or S15)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 13:47
S18	798	S5 not (S8 or S12 or S13 or S15)	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:50
S19	1073686	flush\$e4 or inject\$4 or permat\$4 or introduc\$3	EPO; JPO; DERWENT	OR	ON	2007/01/12 13:48
S20	1202435	flush\$4 or inject\$4 or permeat\$4 or introduc\$3	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:15
S22	1772749	preserv\$6 or (shelf adj1 life) or store\$1 or storing or spoil\$4 or freshness	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:02
S23	104	S18 and S22	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:07
S24	1268029	packag\$4 or pouch\$2 or bag or bags or tray\$1 or container\$1	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:46
S25	694	S18 not S23	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:08
S26	69	S25 and S24	EPO; JPO; DERWENT	OR	ON	2007/01/12 14:12
S27	1202	(426/419,415,316).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/12 14:13

EAST Search History

S28	232441	co2 or (carbon adj1 dioxide) or (carbonic adj1 acid)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:14
S29	273329	biocid\$2 or microbiocid\$2 or antibacterial or bactericid\$2 or antimicrob\$5 or bacteria or microbe\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:44
S30	2440146	flush\$4 or inject\$4 or permeat\$4 or introduc\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:15
S31	75	S27 and S28 and S29 and S30	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:36
S32	62	S27 and (S28 same S29)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:38
S33	9	S32 not S31	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:36
S34	144	S27 and (S28 same S30)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:38
S35	94	S34 not (S33 or S32 or S31)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:38
S36	3092457	fruit\$1 or vegetable\$1 or plant or produce or food\$6 or edible\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:39
S37	1500798	gas	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:44
S38	5355	S37 near6 S29	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:45
S39	125182	permeat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:45
S40	109	S38 same S39	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:46
S41	1578252	packag\$4 or pouch\$2 or bag or bags or tray\$1 or container\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:46
S42	41	S40 same S41	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/12 14:46

EAST Search History

S43	3048	without near5 preservatives	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:50
S44	16582	htst or pasteuriz\$7 or ((high adj1 temperature) near6 (short adj1 time))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:51
S45	1429312	ph or acid\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:52
S46	16	S43 same S44 same S45	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:56
S47	74	S43 and (S44 same S45)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:56
S48	58	S47 not S46	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 12:56
S49	37	("2264593" "2890120" "3300318" "3955010").PN. OR ("4145451").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/16 13:14